

Application S/N 10/743,513
Amendment Dated: March 14, 2006
Response to Office Action dated: October 17, 2005

CE11527JDP

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method for selecting one or more modalities from a group of modalities available in a communication device having a modality manager, the communication device operating in one or more communication systems, the method comprising the steps of:
 - (a) determining the available bandwidth of a first communication system;
 - (b) providing the bandwidth information determined in step (a) to the modality manager; and
 - (c) having the modality manager select the one or more modalities while inhibiting the operation of the remaining modalities based on the bandwidth information of the first communication system.
2. (original) A method as defined in claim 1, further comprising the steps of:
 - (d) determining the cost with using one or more of the modalities;
 - (e) providing the cost information determined in step (d) to the modality manager; and
 - (f) having the modality manager select the one or more modalities based on the cost and bandwidth information.
3. (original) A method as defined in claim 1, wherein the one or more modalities comprise input modalities.

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4. (original) A method as defined in claim 3, wherein the one or more modalities include video, still pictures, audio clips, voice and text.
5. (original) A method as defined in claim 1, wherein the one or more modalities comprise output modalities.
6. (original) A method as defined in claim 1, wherein the modality manager dynamically adapts the one or more modalities selected in step (c) based on a change in operational conditions.
7. (original) A method as defined in claim 6, wherein the change in operational conditions that causes the modality manager to dynamically adapt the one or more modalities selected in step (c) includes a change in the bandwidth or change in cost of the service presently being used.
8. (original) A method as defined in claim 6, wherein the change in operational conditions that causes the modality manager to dynamically adapt the one or more modalities selected in step (c) includes a change in the current ambient noise above a predetermined threshold level.

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9. (original) A method as defined in claim 6, wherein the change in operational conditions comprises communicating sensitive information and the modality manager dynamically adapts the selected one or more modalities if any are speech or audio based modality into a text based modalities in order to protect the sensitive information from being heard by others.
10. (original) A method as defined in claim 6, wherein the modality manager keeps track of user preferences for different modalities amongst the plurality of modalities and when the modality manager has to adapt the one or more modalities previously selected, the modality manager uses the preference information to select one or more new modalities to use.

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11. (currently amended) A radio communication device, comprising:

a receiver; and

a modality manager coupled to the receiver, the modality manager is responsible for dynamically adapting one or more modalities being used based on bandwidth and cost considerations, such that when the radio communication device is in communications with a first communication system, the modality manager selects the one or more modalities while inhibiting the operation of the remaining modalities based on the bandwidth and cost considerations of the first communication system.

12. (original) A radio communication device as defined in claim 11, wherein the modality manager dynamically adapts one or more modalities currently being used if the ambient noise is above a predetermined threshold.

13. (original) A radio communication device as defined in claim 12, further comprising a microphone coupled to the modality manager, and the microphone is used to determine the ambient noise.

14. (original) A radio communication device as defined in claim 11, wherein the one or more modalities comprise at least one of video, still pictures, audio clips, voice and text.

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15. (currently amended) A radio communication device as defined in claim 11, wherein the ~~radio communication device operates in a~~ first communication system ~~having~~ has a server modality manager and the modality manager in the radio communication device communicates with the server modality manager in order to make sure that any information using a particular modality directed to the radio communication device can be supported.
16. (original) A radio communication device as defined in claim 11, wherein the modality manager further checks for communication system availability if the radio communication device can operate in different communication systems and uses this information to dynamically adapt the one or more modalities used.
17. (original) A radio communication device as defined in claim 11, wherein the modality manager dynamically controls which of the one or more modalities may be used with an application that is selected by the radio communication device user.
18. (currently amended) A radio communication device as defined in claim 11, wherein the modality manager ascertains the cost information from the first communication system ~~the radio communication device is operating in.~~
19. (original) A radio communication device as defined in claim 11, further comprising a memory coupled to the modality manager; and

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wherein the modality manager ascertains the cost information from information stored in the memory.

20. (original) A radio communication device as defined in claim 11, wherein the radio communication device comprises a cellular telephone.